

CLAIMS:

1. An abutment, for mounting of a prosthesis, having a distal end adapted to be connected to a prosthesis and a proximal end adapted to be connected to a bone portion of an implant, the abutment comprising an adjustable bending portion that can accommodate a plurality of angles, and an inner hollow cavity that extends throughout at least a portion of the length of the abutment, the cavity having an opening at said distal end.
2. An implant having an abutment for being implanted into a bone of the body, the implant comprising:
 - (a) a bone portion for being inserted into a bone of the body;
 - (b) an abutment attached to said bone portion and having a distal end adapted to be connected to a prosthesis, the abutment having an adjustable bending portion that can accommodate a plurality of angles ;and
 - (c) an inner hollow cavity that extends through at least the a portion of the length of the abutment, the cavity having an opening at said distal end.
3. An implant according to Claim 2, wherein the abutment is integral with the bone portion.
4. An implant according to Claim 2, wherein the abutment is adapted for assembly with the bone portion.
5. An implant according to Claim 4 the assembly of the abutment and the bone portion is by a screw and nut mechanism.
6. An implant according to claim 2, wherein the bone portion has an outer surface, and wherein said outer surface is non-smooth.

7. An implant according to Claim 2, wherein the hollow cavity further extends through said bone portion.
8. An implant according to claim 7, wherein the bone portion has a plurality of holes extending from the exterior of the bone portion to said inner hollow cavity.
9. An implant according to claim 2, wherein the adjustable bending portion comprises an outer surface, said outer surface comprising plurality of grooves.
10. An implant according to claim 2, comprised of stainless steel.
11. An implant according to claim 2, comprised of titanium.
12. An implant according to claim 2, wherein the adjustable bending portion is adapted for being adjusted to angles between 0-90 degrees with respect to the central vertical axis of said adjustable bending portion.
13. An implant according to claim 2, wherein the adjustable bending portion is adapted for being adjusted to angles between 0-25 degrees with respect to the central vertical axis of said adjustable bending portion.
14. An implant according to claim 2, wherein the adjustable bending portion is comprised of flexible stainless steel.
15. An implant according to claim 2, further comprising at least one drug incorporated therein.
16. An implant according to claim 15, wherein the drug is selected from the group consisting of: anti-inflammatory agents, antibacterial agents, antimycotic agents, antibiotics, and bone-re growth stimulants.
17. The implant of any one of Claims 2 to 16 being a dental implant.
18. A dental implant according to claim 17, further comprising a healing cap.
19. A dental implant according to claim 17, having an external diameter of about 2.0-6.0 millimeters.

20. A dental implant according to claim 17, having a length of about 15-25 millimeters.
21. A method for performing dental implant surgery, using a dental implant of Claim 17, the method comprising the steps of:
 - a. forming a hole in the root of the mandible or maxilla bone of a patient;
 - b. affixing the bone portion of the dental implant as defined in claim 17 into the hole;
 - c. bending the adjustable bending portion of the abutment portion of the dental implant so as to achieve the appropriate angular configuration;
 - d. filling the inner hollow cavity with a position fixing composition;
 - e. allowing the position fixing composition to harden so as to fix said appropriate angular configuration.
22. A method according to Claim 21, further comprising step (f): mounting a temporary or dental prosthesis to the dental implant.
23. A method according to Claim 21, wherein the affixing of step (b) is achieved by force driving the bone portion into the mandible or maxilla bone of the patient.
24. A method according to Claim 21, wherein the affixing of step (b) is achieved by at least partially filling the hole in the root by an anchoring composition and providing conditions allowing the anchoring composition to harden.
25. A method according to claim 22, wherein the step of mounting comprises affixing the dental prosthesis into a threaded internal bore at the distal end of the abutment portion.
- 26 A method according to claim 24, further comprising allowing the anchoring composition to enter and fill at least part of the inner hollow cavity of the dental implant.

27. A method according to claim 24, wherein the anchoring composition is selected from the group consisting of: polylactic acid, polyglycolic acid, polyglactin, polydioxanone, polyglyconate, and all copolymers thereof.

28. A method according to claim 21, wherein the position fixing composition is selected from the group consisting of: polylactic acid, polyglycolic acid, polyglactin, polydioxanone, polyglyconate, and all copolymers thereof.